<u>RAW SEQUENCE LISTING</u>

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _/0/805,/77_
Source: _/Fwp_
Date Processed by STIC: _/2/27/04_

ENTERED

IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/805,177

DATE: 12/27/2004
TIME: 11:24:53

Input Set : **A:\seq listing Cura 965.txt**
Output Set: **N:\CRF4\12272004\J805177.raw**

```
 3 <110> APPLICANT: Landes, Gregory M.
 4         Chen, Francine
 5         Bezabeh, Binyam
 6         Foltz, Ian
 7         Tse, Kam Fai
 8         Jeffers, Michael
 9         Mesri, Mehdi
10         Starling, Gary
11         Mezes, Peter
12         Khramtsov, Nikolia
14 <120> TITLE OF INVENTION: ANTIBODIES AGAINST T CELL IMMUNOGLOBULIN
15         DOMAIN AND MUCIN DOMAIN 1 (TIM-1) ANTIGEN AND USES THEREOF
18 <130> FILE REFERENCE: ABXCUR.006A
20 <140> CURRENT APPLICATION NUMBER: 10/805,177
21 <141> CURRENT FILING DATE: 2004-03-19
23 <150> PRIOR APPLICATION NUMBER: 60/456,652
24 <151> PRIOR FILING DATE: 2003-03-19
26 <160> NUMBER OF SEQ ID NOS: 141
28 <170> SOFTWARE: FastSEQ for Windows Version 4.0
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 509
32 <212> TYPE: DNA
33 <213> ORGANISM: Homo Sapiens
35 <400> SEQUENCE: 1
36 tgggtcctgt cccaggtgca gctgcaggag tcgggcccag gactggtgaa gccttcggag 60
37 accctgtccc tcacctgcac tgtctctggt ggctccgtca gcagtggtgg ttactactgg 120
38 agctggatcc ggcagccccc agggaaggga ctggagtgga ttgggtttat ctattacact 180
39 gggagcacca actacaaccc ctccctcaag agtcgagtct ccatatcagt agacacgtcc 240
40 aagaaccagt tctccctgaa gctgagctct gtgaccgctg cggacgcggc cgtgtattac 300
41 tgtgcgagag attatgactg gagcttccac tttgactact ggggccaggg aaccctggtc 360
42 accgtctcct cagcctccac caagggccca tcggtcttcc ccctggcgcc ctgctccagg 420
43 agcacctccg agagcacagc ggccctgggc tgcctggtca aggactactt ccccgaaccg 480
44 gtgacggtgt cgtggaactc aggcgctct                                   509
46 <210> SEQ ID NO: 2
47 <211> LENGTH: 121
48 <212> TYPE: PRT
49 <213> ORGANISM: Homo Sapiens
51 <400> SEQUENCE: 2
52 Gln Val Gln Leu Gln Glu Ser Gly Pro Gly Leu Val Lys Pro Ser Glu
53 1               5                   10                  15
54 Thr Leu Ser Leu Thr Cys Thr Val Ser Gly Gly Ser Val Ser Ser Gly
55             20                  25                  30
56 Gly Tyr Tyr Trp Ser Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu
```

```
57          35                  40                  45
58 Trp Ile Gly Phe Ile Tyr Tyr Thr Gly Ser Thr Asn Tyr Asn Pro Ser
59     50                  55                  60
60 Leu Lys Ser Arg Val Ser Ile Ser Val Asp Thr Ser Lys Asn Gln Phe
61 65                  70                  75                  80
62 Ser Leu Lys Leu Ser Ser Val Thr Ala Ala Asp Ala Ala Val Tyr Tyr
63                  85                  90                  95
64 Cys Ala Arg Asp Tyr Asp Trp Ser Phe His Phe Asp Tyr Trp Gly Gln
65             100                 105                 110
66 Gly Thr Leu Val Thr Val Ser Ser Ala
67          115                 120
70 <210> SEQ ID NO: 3
71 <211> LENGTH: 504
72 <212> TYPE: DNA
73 <213> ORGANISM: Homo Sapiens
75 <400> SEQUENCE: 3
76 cagctcctgg ggctcctgct gctctggttc ccaggtgcca ggtgtgacat ccagatgacc 60
77 cagtctccat cctccctgtc tgcatctata ggagacagag tcaccatcac ttgccgggca 120
78 agtcagggca ttagaaatga tttaggctgg tatcagcaga aaccagggaa agcccctaag 180
79 cgcctgatct atgctgcatc cagtttgcaa agtggggtcc catcaaggtt cagcggcagt 240
80 ggatctggga cagaattcac tctcacaatc agcagcctgc agcctgaaga tttttgcaact 300
81 tattactgtc tacagcataa tagttaccct ctcactttcg gcggagggac caaggtggag 360
82 atcaaacgaa ctgtggctgc accatctgtc ttcatcttcc cgccatctga tgagcagttg 420
83 aaatctggaa ctgcctctgt tgtgtgcctg ctgaataact ctatcccag agaggccaaa 480
84 gtacagtgga aggtggataa cgcc                                       504
86 <210> SEQ ID NO: 4
87 <211> LENGTH: 108
88 <212> TYPE: PRT
89 <213> ORGANISM: Homo Sapiens
91 <400> SEQUENCE: 4
92 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Ile Gly
93 1                   5                   10                  15
94 Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Asn Asp
95             20                  25                  30
96 Leu Gly Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Arg Leu Ile
97          35                  40                  45
98 Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
99     50                  55                  60
100 Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
101 65                  70                  75                  80
102 Glu Asp Phe Ala Thr Tyr Tyr Cys Leu Gln His Asn Ser Tyr Pro Leu
103             85                  90                  95
104 Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys Arg
105             100                 105
108 <210> SEQ ID NO: 5
109 <211> LENGTH: 469
110 <212> TYPE: DNA
111 <213> ORGANISM: Homo Sapiens
113 <400> SEQUENCE: 5
```

RAW SEQUENCE LISTING   DATE: 12/27/2004
PATENT APPLICATION: US/10/805,177   TIME: 11:24:53

Input Set : **A:\seq listing Cura 965.txt**
Output Set: **N:\CRF4\12272004\J805177.raw**

```
114 cagtgtgagg tgcagctggt ggagtctggg ggaggcttgg tccagcctgg ggggtccctg 60
115 agactctcct gtgcagcctc tggattcacc tttactaact attggatgag ctgggtccgc 120
116 caggctccag ggaaggggct ggagtgggtg gccaacatac agcaagatgg aagtgagaaa 180
117 tactatgtgg actctgtgag gggccgattc accatctcca gagacaacgc caagaactca 240
118 ctgtatctgc aaatgaacag cctgagagcc gaggactcgg ctgtgtatta ctgtgcgaga 300
119 tgggactact ggggccaggg aaccctggtc accgtctcct cagcctccac caagggccca 360
120 tcggtcttcc ccctggcgcc ctgctccagg agcacctccg agagcacagc ggccctgggc 420
121 tgcctggtca aggactactt ccccgaaccg gtgagcggtg tcgtggaac              469
123 <210> SEQ ID NO: 6
124 <211> LENGTH: 113
125 <212> TYPE: PRT
126 <213> ORGANISM: Homo Sapiens
128 <400> SEQUENCE: 6
129 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
130  1               5                  10                  15
131 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Thr Asn Tyr
132              20                  25                  30
133 Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
134          35                  40                  45
135 Ala Asn Ile Gln Gln Asp Gly Ser Glu Lys Tyr Tyr Val Asp Ser Val
136      50                  55                  60
137 Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
138 65                  70                  75                  80
139 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Ser Ala Val Tyr Tyr Cys
140                  85                  90                  95
141 Ala Arg Trp Asp Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
142              100                 105                 110
143 Ala
147 <210> SEQ ID NO: 7
148 <211> LENGTH: 454
149 <212> TYPE: DNA
150 <213> ORGANISM: Homo Sapiens
152 <400> SEQUENCE: 7
153 cttctggggc tgctaatgct ctgggtccct ggatccagtg gggatattgt gatgacccag 60
154 actccactct cctcaactgt catccttgga cagccggcct ccatctcctg caggtctagt 120
155 caaagcctcg tacacagtga tggaaacacc tacttgaatt ggcttcagca gaggccaggc 180
156 cagcctccaa gactcctaat ttatatgatt tctaaccggt tctctggggt cccagacaga 240
157 ttcagtggca gtggggcagg gacagatttc acactgaaaa tcagcagggt ggaagctgag 300
158 gatgtcgggg tttattactg catgcaagct acagaatctc ctcagacgtt cggccaaggg 360
159 accaaggtgg aaatcaaacg aactgtggct gcaccatctg tcttcatctt cccgccatct 420
160 gatgagcagt tgaaatctgg aagggcctct gttg                            454
162 <210> SEQ ID NO: 8
163 <211> LENGTH: 113
164 <212> TYPE: PRT
165 <213> ORGANISM: Homo Sapiens
167 <400> SEQUENCE: 8
168 Asp Ile Val Met Thr Gln Thr Pro Leu Ser Ser Thr Val Ile Leu Gly
169  1               5                  10                  15
170 Gln Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Val His Ser
```

```
171               20                    25                    30
172 Asp Gly Asn Thr Tyr Leu Asn Trp Leu Gln Gln Arg Pro Gly Gln Pro
173           35                    40 \              45
174 Pro Arg Leu Leu Ile Tyr Met Ile Ser Asn Arg Phe Ser Gly Val Pro
175     50                    55                    60
176 Asp Arg Phe Ser Gly Ser Gly Ala Gly Thr Asp Phe Thr Leu Lys Ile
177 65                    70                    75                    80
178 Ser Arg Val Glu Ala Glu Asp Val Gly Val Tyr Tyr Cys Met Gln Ala
179               85                    90                    95
180 Thr Glu Ser Pro Gln Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
181               100                   105                   110
182 Arg
186 <210> SEQ ID NO: 9
187 <211> LENGTH: 529
188 <212> TYPE: DNA
189 <213> ORGANISM: Homo Sapiens
191 <400> SEQUENCE: 9
192 gagcagtcgg ggggaggcgt ggtaaagcct ggggggtctc ttagactctc ctgtgcagcc 60
193 tctggattca ctttcagtaa cgcctggatg acctgggtcc gccaggctcc agggaagggg 120
194 ctggagtggg ttggccgtat taaaaggaga actgatggtg ggacaacaga ctacgctgca 180
195 cccgtgaaag gcagattcac catctcaaga gatgattcaa aaaacacgct gtatctgcaa 240
196 atgaacaacc tgaaaaacga ggacacagcc gtgtattact gtacctcagt cgataatgac 300
197 gtggactact ggggccaggg aaccctggtc accgtctcct cagcttccac caagggccca 360
198 tccgtcttcc ccctggcgcc ctgctccagg agcacctccg agagcacagc cgccctgggc 420
199 tgcctggtca aggactactt ccccgaaccg gtgacggtgt cgtggaactc aggcgccctg 480
200 accagcggcg tgcacacctt cccggctgtc ctacagtcct caggactct           529
202 <210> SEQ ID NO: 10
203 <211> LENGTH: 119
204 <212> TYPE: PRT
205 <213> ORGANISM: Homo Sapiens
207 <400> SEQUENCE: 10
208 Asn Asn Asn Asn Glu Gln Ser Gly Gly Gly Val Val Lys Pro Gly Gly
209 1                 5                    10                    15
210 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Ala
211           20                    25                    30
212 Trp Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
213           35                    40                    45
214 Gly Arg Ile Lys Arg Arg Thr Asp Gly Gly Thr Thr Asp Tyr Ala Ala
215     50                    55                    60
216 Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
217 65                    70                    75                    80
218 Leu Tyr Leu Gln Met Asn Asn Leu Lys Asn Glu Asp Thr Ala Val Tyr
219               85                    90                    95
220 Tyr Cys Thr Ser Val Asp Asn Asp Val Asp Tyr Trp Gly Gln Gly Thr
221               100                   105                   110
222 Leu Val Thr Val Ser Ser Ala
223           115
226 <210> SEQ ID NO: 11
227 <211> LENGTH: 447
```

```
228 <212> TYPE: DNA
229 <213> ORGANISM: Homo Sapiens
231 <400> SEQUENCE: 11
232 ctgactcagt ctccactctc cctgcccgtc acccctggag agccggcctc catctcctgc 60
233 aggtctagtc agagcctcct gcatagtaat ggatacaact atttggattg gtacctgcag 120
234 aagccagggc agtctccaca gctcctgatc tatttgggtt ctaatcgggc ctccggggtc 180
235 cctgacaggt tcagtggcag tggatcaggc acagatttta cactgaaaat cagcagagtg 240
236 gaggctgagg atattggtct ttattactgc atgcaagctc tacaaactcc gctcactttc 300
237 ggcggaggga ccaaggtgga catcaaacga actgtggctg caccatctgt cttcatcttc 360
238 ccgccatctg atgagcagtt gaaatctgga actgcctctg ttgtgtgcct gctgaataac 420
239 ttctatccca gagaggccaa agtacag                                      447
241 <210> SEQ ID NO: 12
242 <211> LENGTH: 113
243 <212> TYPE: PRT
244 <213> ORGANISM: Homo Sapiens
246 <400> SEQUENCE: 12
247 Asn Asn Asn Leu Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Pro Gly
248  1               5                  10                  15
249 Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu Leu His Ser
250             20                  25                  30
251 Asn Gly Tyr Asn Tyr Leu Asp Trp Tyr Leu Gln Lys Pro Gly Gln Ser
252         35                  40                  45
253 Pro Gln Leu Leu Ile Tyr Leu Gly Ser Asn Arg Ala Ser Gly Val Pro
254     50                  55                  60
255 Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile
256 65                  70                  75                  80
257 Ser Arg Val Glu Ala Glu Asp Ile Gly Leu Tyr Tyr Cys Met Gln Ala
258                 85                  90                  95
259 Leu Gln Thr Pro Leu Thr Phe Gly Gly Gly Thr Lys Val Asp Ile Lys
260                100                 105                 110
261 Arg
265 <210> SEQ ID NO: 13
266 <211> LENGTH: 538
267 <212> TYPE: DNA
268 <213> ORGANISM: Homo Sapiens
270 <400> SEQUENCE: 13
271 caggtgcagc tggagcagtc ggggggaggc ttggtacagc ctggggggtc cctgagactc 60
272 tcctgtgcag cctctggatt caccttcagt acctatagca tgaactgggt ccgccaggct 120
273 ccagggaagg ggctggagtg ggtttcatac attagaagta gtactagtac catatactat 180
274 gcagagtccc tgaagggccg attcaccatc tccagcgaca atgccaagaa ttcactatat 240
275 ctgcaaatga acagcctgag agacgaggac acggctgtgt attactgtgc gcgggacttt 300
276 gactactggg gccagggaac cctggtcacc gtctcctcag cttccaccaa gggcccatcc 360
277 gtcttccccc tggcgccctg ctccaggagc acctccgaga gcacagccgc cctgggctgc 420
278 ctggtcaagg actacttccc cgaaccggtg acggtgtcgt ggaactcagg cgccctgacc 480
279 agcggcgtgc acaccttccc ggctgtccta cagtcctcag gactctactc cctcagca 538
281 <210> SEQ ID NO: 14
282 <211> LENGTH: 114
283 <212> TYPE: PRT
284 <213> ORGANISM: Homo Sapiens
```

RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 12/27/2004
PATENT APPLICATION: US/10/805,177   TIME: 11:24:54

Input Set : **A:\seq listing Cura 965.txt**
Output Set: **N:\CRF4\12272004\J805177.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:72; Xaa Pos. 96,97
Seq#:118; Xaa Pos. 1,2,3,4
Seq#:119; Xaa Pos. 1,2,3
Seq#:124; Xaa Pos. 1,2,3,4,5
Seq#:125; Xaa Pos. 1,2,3,4
Seq#:130; Xaa Pos. 1,2,3,4,5
Seq#:131; Xaa Pos. 1,2,3,4
Seq#:140; Xaa Pos. 1,2,3,4
Seq#:141; Xaa Pos. 1,2,3,4

Input Set : **A:\seq listing Cura 965.txt**
Output Set: **N:\CRF4\12272004\J805177.raw**

```
L:1549 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:72
L:1549 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:72
L:1549 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:80
M:341 Repeated in SeqNo=72
L:2281 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:118
L:2281 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:118
L:2281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:118 after pos.:0
L:2316 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:119
L:2316 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:119
L:2316 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119 after pos.:0
L:2469 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:124
L:2469 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:124
L:2469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:0
L:2504 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:125
L:2504 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:125
L:2504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125 after pos.:0
L:2657 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:130
L:2657 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:130
L:2657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130 after pos.:0
L:2692 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:131
L:2692 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:131
L:2692 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131 after pos.:0
L:3000 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:140
L:3000 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:140
L:3000 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140 after pos.:0
L:3035 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:141
L:3035 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:141
L:3035 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:141 after pos.:0
```